

What is claimed is:

1. A catalyst body comprising a carrier and a catalyst layer containing an alkali metal and/or an alkaline earth metal, loaded on the carrier, which catalyst further contains
5 a substance capable of reacting with the alkali metal and/or the alkaline earth metal, dominating over reaction between main components of the carrier and the alkali metal and/or the alkaline earth metal.
2. A catalyst body according to Claim 1, wherein the
10 substance capable of reacting with the alkali metal and/or the alkaline earth metal, dominating over the reaction between the main components of the carrier and the alkali metal and/or the alkaline earth metal is at least one kind of substances selected from the group consisting of B, Al, Si, P,
15 S, Cl, Ti, V, Cr, Mn, Ga, Ge, As, Se, Br, Zr, Mo, Sn, Sb, I and W.
3. A catalyst body according to Claim 1, wherein the catalyst layer further contains at least one kind of noble metals selected from the group consisting of Pt, Pd and Rh.
- 20 4. A catalyst body according to Claim 1, wherein the substance capable of reacting with the alkali metal and/or the alkaline earth metal, dominating over the reaction between the main components of the carrier and the alkali metal and/or the alkaline earth metal is contained in the
25 carrier.
5. A catalyst body according to Claim 1, wherein the substance capable of reacting with the alkali metal and/or the alkaline earth metal, dominating over the reaction

between the main components of the carrier and the alkali metal and/or the alkaline earth metal is contained in the catalyst layer.

6. A catalyst body according to Claim 1, wherein a layer
5 of the substance capable of reacting with the alkali metal and/or the alkaline earth metal, dominating over the reaction between the main component of the carrier and the alkali metal and/or the alkaline earth metal is formed between the carrier and the catalyst layer.
- 10 7. A catalyst body according to Claim 1, wherein the carrier is a honeycomb carrier.
8. A catalyst body according to Claim 1, wherein the main component of the carrier is cordierite.